

**ABSTRACT OF THE DISCLOSURE**

A fixing band-tightening apparatus comprises a holding section for gripping a shaft section at both ends in an axial direction, the holding section being provided rotatably in a circumferential direction in accordance with a driving action of a rotary driving source, a stopper section arranged in a lateral direction substantially horizontal with respect to the holding section, for positioning a projection of a fixing band in the lateral direction except for a vertical direction, and a band-tightening section for forcibly nipping the projection of the fixing band positioned by the stopper section to tighten the fixing band.